

GSM ALARM SYSTEM

USER MANUAL

Dear users,

Thank you for purchasing our products. Please read through this manual before using this product so as to operate the product properly.

The GSM alarm system adopts the newest GSM network and Digital Signal Processing technology, and is widely used in security field. With SMS data transmission and voice platform of GSM network, it really realizes wireless alarm control and remote managements and solves the limitation of wired data transmission in telephone and wired network.

Perfect structure, convenient installation, easy operation with wireless control keyboard are designed for the idea of people-oriented, which will make you feel easy and comfortable while use this system.

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1. Instruction

The alarm system adopts SMS data transmission and voice platform of GSM network to send control command and receive alarm remotely. The system can be set delayed-arm. When a signal is detected by detectors, the detectors will send alarm signal to host immediately, then the host sends alarm SMS to its pre-set mobile phone numbers, and meanwhile dials its pre-set telephone/mobile phone numbers automatically and drive wiretap. In addition, users can dial the system and set it in arm/disarm mode by any remote phones.

Following are the specific functions

- 1. GSM alarm transmission, without connecting telephone lines and be not afraid of cutting line.**
- 2. Adapt wavcom double frequency GSM module.**
- 3. Nine guarding zones**
1 wireless SOS alarm zone, 1 wireless fire alarm zone, 1 external power failure alarm zone, the other 6 wireless zones can be defined by user (Please note zone 05 and zone 06 can also be used as hardwire zones.)
- 4. The host automatically stores system status, while its power is off.**
- 5. The system equips backup rechargeable battery .It can work while the external power is off.**
- 6. Report the guarding zones by SMS or voice and monitor the voice at the site remotely.**
- 7. Remote arm/ disarm, and set the host by wireless keyboard, SMS or any phones.**
- 8. You can increase/ decrease detectors.**
- 9. Connect with the alarm center through GSM network.**

Specification

- a) GSM network frequency: 850/1900MHZ or 900/1800MHZ
- b) External power failure alarm Start-time: less than 1s
- c) Alarm response time Less than 10s (GSM in normality)
- d) Power requirements: AC 220V 50Hz Standby battery: DC8.4V
Standby battery working hours: more than 15 hours
- e) Working conditions
Operating temperature: - 20 to 60 , Humidity: 20% to 95%

2. Installation

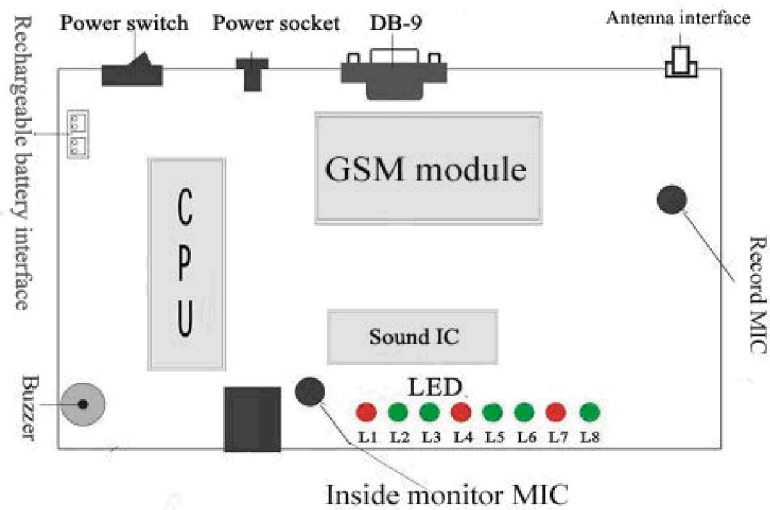


2.1 Host figure

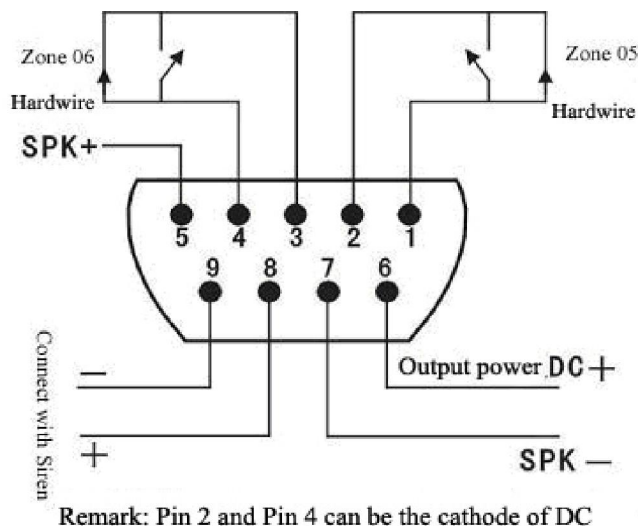


- L1: Power switch**
- L2: DC 12V Socket**
- L3: DB-9 for Siren, hardwire zone and speaker interface**
- L4: GSM antenna**
- L5: Power External power LED**
- L6: Local Arm LED**
- L7: Remote Arm LED**
- L8: Alarm Alarm LED**
- L9: Run Host work LED**
- L10: Receive GSM communication LED**
- L11: Send GSM communication LED**
- L12: Wireless Wireless sensor work LED**

2.2 Host's section figure



2.3 Connection of DB-9



2.4 Insert a valid SIM into the host

Before installing the host, remove the SIM slot cover with a screwdriver and insert SIM card.

2.5 Operation

Make sure that the power supply is connected correctly, and turn on the host power switch. the LOCAL LED, REMOTE LED, ALARM LED, RECEIVE LED and SEND LED are on, and then the host enters the status of initialization and searches GSM network about 25 seconds later, the host enters into the normal running status, alarm LED is off.

Note: During the host's running, if it makes "di,di,di,di" sounds or the RUN LED is on or off all the time, this means something wrong with GSM!



3 Operation steps

3.1 Record alarm voice

message

Remove of the host's SIM card cover with a screwdriver, press "REC",button, the host will make "di " sound, then it begins to 6 seconds record. It will make "di, di " sounds after finishing the recording. The host will make click sound and the speaker (Only ES model) will broadcast your recorded message automatically.

Note: Message should be brief. For example: "This is No. xx, building xx district xx. Please help,there is illegal intrusion in the house."

3.2 Set the host by wireless keyboard

Close all the wireless detectors and remove the SIM card cover. During the host's running, press "set" button, it will make click sound, at the meanwhile the ALARM LED is on. This means the host enters into the setting status. Then you can continue to set

Note: When setting through the keyboard, every time you press the button you will hear click sounds for confirmation, if there's no voice you can press the button again.

You can press the button "*" (before pressing the button "#") to cancel the numbers that you have already input.

3.2.1 Set mobile phone numbers for SMS alarm.

a. In setting status, operate the keyboard as below

Input: Serial number + mobile phone number + #

Example: set 13688888888 as the first SMS alarm phone number.

Input 11368888888#, then you will hear "di, di" sounds for confirmation.

Repeat the process to set the other two mobile phone numbers.

Note: serial number can only be 1,2,3 and the number "1" is the first SMS alarm phone number, the rest may be deduced by analogy.

Delete SMS alarm mobile phone numbers

Input: serial number + #, then can cancel the phone numbers.

Note: We suggest that you set the first SMS alarm mobile phone number because if you do not set the first one, you will be unable to know whether all of the contents of the setting is right or not.

3.2.2 Set phone numbers for call alarm

In setting status, input: Serial number + phone number + #

Example: set 13688888888 as the first phone number for call alarm.

Input 41368888888#, then you will hear "di, di" sounds for confirmation.

Repeat the process to set the other two phone numbers.

Note: serial number can only be 4, 5, 6 and the number "4" is the first phone number for call alarm, the rest may be deduced by analogy. phone number can be telephone or mobile.

Delete phone numbers for alarm call

Input: serial number + #, then can cancel the phone numbers.

3.2.3 Change the password of the host

The factory default password is 1234. The password must be four digits.

In setting status, then input 7 + new password + #, you will hear click sounds for confirmation.

Example: set 6789 as new password Input: 76789#.

3.2.4 Set new ID of the host

The factory default ID is 000000. The serial number must be six digits.

In setting status, then input 0 + six digits of new ID + #, the host will make a sound as "di, di" to confirm the input.

Example: set 123456 as new ID, Input: 0123456 #.

3.2.5 Set the host whether send “arm/disarm” SMS or not

When operate the host by remote controller, if you want to let host send “arm/disarm” SMS to mobile phone, please follow up the steps as below. In setting status, input “9 + #” on wireless keyboard, then you will hear “di, di” sound for confirmation.

Repeat the operation, you can cancel this function.

3.2.6 Choose open/closed alarm of hardwire zone contact

The factory default mode: when the hardwire zone contact is open, the host will alarm. If you want to change it, please follow us the step as below.

In setting status, input “8 + #” on the keyboard, then you will hear “di, di” sound for confirmation.

The host will alarm when the hardwire contact is closed.

3.2.7 Exit setting status of the host

The host will exit the setting status automatically; so do not press the keyboard if the setting has been done. The Alarm LED on the host will be off 15 seconds later and then you will hear click sounds for confirmation. And it will send the setting message to the first SMS alarm mobile phone.

4 SMS Control Command

4.1 Set three SMS alarm mobile phone numbers

Input SMS: 4 digits password + DD + serial number + SMS alarm phone number

Example The host's password is 1234; set 1388888888 as the first SMS alarm phone number.

Send SMS: 1234DD113888888888

Note: The serial number shows alarm sequence (must be 1, 2, 3)

4.2 Set three call alarm phone numbers

Input SMS: 4 digits password + DD + serial number + call alarm phone number

Example The host's password is 1234; set 0108888888 as the first call alarm phone number.

Send SMS: 1234DD401088888888

Note: The serial number shows alarm sequence (must be 4, 5, 6)

4.3 Delete alarm phone numbers

Input SMS: 4 digits password + DD + serial number

Example The host's password is 1234. If you want to delete the first alarm phone number,

Send SMS: 1234DD1

Note: The serial number shows alarm sequence (must be 1, 2, 3, 4, 5, 6)

4.4 Change host's password

Input SMS: 4 digits password + DD + 7 + the 4 digits new password

Example The host's original password is 1234. If you want to set 5678 as new password,
Send SMS: 1234DD75678

4.5 Arm/Disarm command

Arm by SMS: 4 digits password + A1

Disarm by SMS: 4 digits password + A2

Example The host's password is 1234. If you want to set the host in arm mode,
Send SMS: 1234A1

4.6 Change Zone's name

Input SMS: 4 digits password + DM + zone's code (2 digits) +
Changed name

Return SMS: Changed zone's name.

Example: The host's password is 1234. If you want to change zone 06's name into Ourbedroom PIR
Alarm.

Send SMS: 1234DM06 Ourbedroom PIR Alarm.

Note: Changed name should be less than 24 characters.

Zone's code in 2 digits: 01 to 06

4.7 Inquire host's arm/disarm status

Send SMS: 4 digits password + W1

Return SMS: The host's arm/disarm status

4.8 Inquire host's external power status.

Input SMS: 4 digits password + W2

Return SMS: host's external power status

5. Set the host by any phone

You can use any telephone/mobile phone to dial the phone number of the host, the host will automatically get connected after 15 seconds detecting and remind you of inputting password with voice. If the entered password is wrong for 3 times, the host will hand up the phone automatically; if the entering password is right, you will hear sounds, "Press one arm, press two disarm". Meanwhile, remote monitoring will run automatically. Press "*", you will hear "di, di" sounds from host to indicate it entered into setting Status, then you can continue the following steps

Note: Every time when you press the phone keyboard, the host will make click sounds. If not, this means your operation is unsuccessful, you should press it again.

You can press "*" to cancel the numbers which you have already inputted (before press "#").


- (1). Set mobile phone numbers for SMS alarm
- (2). Set mobile phone/telephone numbers for alarm call
- (3). Change password of the host
- (4). Set new ID of the host
- (5). Set host whether send "arm/disarm" SMS or not
- (6). Choose open/close alarm of hardwire zone contact


(7). Exit setting status of the host


The setting steps by phone are the same as by wireless keyboard. Please do as corresponding operation method by wireless keyboard.

6 Usage


6.1 Arm/disarmed by remote controller

a. Press the button “” on the remote controller, the host makes “di” sound and the LOCAL LED and REMOTE LED are twinkling 30 seconds later the host enters into arm mode and the LOCAL LED and REMOTE LED are on.

When the LOCAL LED and REMOTE LED are twinkling, you can press the button “” to enter into arm status quickly.

b. Press the button “” can disarm, the host make “di,di” sound, and LOCAL LED and REMOTE LED are off.

6.2 Emergency alarm

When an emergency alarm occurs, press the button “” and the siren goes on intermittently for 90 seconds to inform the neighbors. At the same time, the system will automatically dial the pre-seted phone numbers cycled for three times and send the SMS of “Emergency alarm”.

6.3 External power failure alarm

When the system checks out that there's something wrong with the external power or the external power is off for more than 2 seconds, it will enter into alarm status immediately. At the same time, the system will automatically dial the pre-seted phone numbers cycled for three times and send the SMS of “External power failed”.

When the power supply is on, the system will stop alarming immediately and send the SMS of “External power OK”.

6.4 Alarm and Handling

When an alarm occurs, the siren will alarm for 90 seconds to inform the neighbors. At the same time, the system will automatically send SMS to report the guarding zones and dial the pre-seted phone numbers. When any phone is answered, you can hear the voice message and monitor the sound at site. The user presses the button,

“1”-----the host armed

“2”-----the host disarmed

“3”-----inquire the alarm zone numbers

If the phone line is busy or can't put through, the system will auto-dial the next phone number circularly till the one of them is answered. If nobody answers the phone, the system will stop dialing after auto-dialing circularly for three times.

Note: When you are monitoring the voice at site, the host is still on the arm mode. If any detectors are

triggered, the host will broadcast the zone numbers to you.

6.5 Remote arm/disarm and monitor

You can use any telephone/mobile phone to dial the phone number of the host, the host will automatically get connected after 15 seconds detecting and remind you of inputting password with voice. If the entered password is wrong for 3 times, the host will hand up the phone automatically; if the entering password is right, you will hear sounds: "Press one arm, press two disarm". Meanwhile, remote monitoring will run automatically. Then press following key,

"1"-----the host armed

"2"-----the host disarmed

"#"-----the host send the newest setting message

If the user hand up the phone, the host will automatically terminate the operation.

7. Operation Cautions

- 1. Make sure the equipments have no water.**
- 2. Install the system in a hidden place.**
- 3. Turn off the power supply before insert/ take out the SIM card.**
- 4. Have a hard connection to the main power supply and provide good heat dissipation.**
- 5. Don't install the system close to the objects which generate strong interference, such as TV set and computer.**
- 6. Check all the detectors and their battery in time and change them when power is low.**
- 7. Inspect the GSM alarm system termly**
- 8. This product is designed for the indoor use rather than outdoor use.**

8.Wireless detector and Remote controller encode

Let's make the central control unit and the wireless Smoke detector(the accessory) for example.

Step 1: there is a label with wireless address code on the back of the alarm unit. And the wireless code is A0 -A1-A2-A3-A4-A5-A6-A7 from right to left.The picture is as fellows: Wireless ADD: 0 0 0 1 1 1 2 2
Now we can see the number of the wireless add is A0=2 A1=2 A2=1 A3=1 A4=1 A5=0 A6=0 A7=0 in this picture.

Step 2: open the cover of the Smoke detector by screwdriver, then you can see the marks on the PCB as fellows:

A0-A1-A2-A3-A4-A5-A6-A7

D0-D1-D2-D2-D3

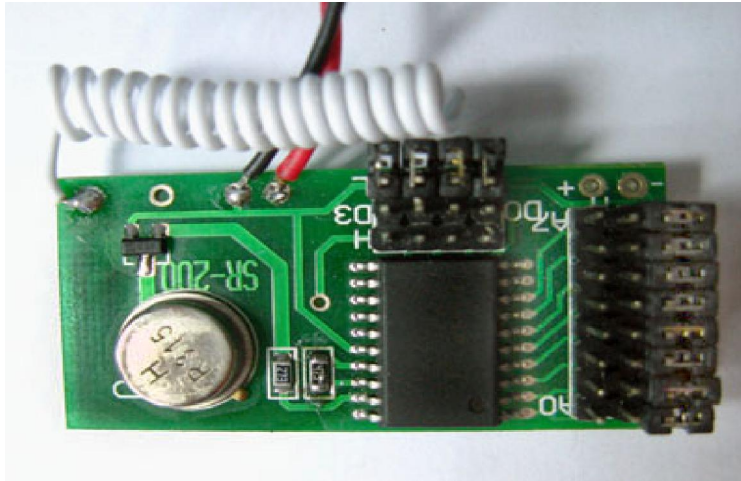
At the same time ,you can see three row pins ,and their marks are:

L (-)

H(+)

N(they are in the middle)

The picture is as fellows:



Step 3 : Read the last page of our instruction book ,and you can see the table:
“Wireless detector and Remote controller encode”

| Name | | Wireless Address A0~A7 (1~8) | D0 (13) | D1 (12) | D2 (11) | D3 (10) |
|--|---------|---|------------|------------|------------|------------|
| Host/Host | | Host label's wireless Address, from right to left correspond to A0~A7 | NC | NC | NC | NC |
| Keypad | | A0~A7: According to the host's wireless address | NC | NC | NC | NC |
| PIR sensor, Magnetic Contact, Beam Detector | Zone 01 | | 0 | 1 | 0 | 1 |
| | Zone 02 | | 1 | 1 | 0 | 1 |
| | Zone 03 | | 0 | 0 | 1 | 1 |
| | Zone 04 | | 1 | 0 | 1 | 1 |
| | Zone 05 | | 0 | 1 | 1 | 1 |
| | Zone 06 | | 1 | 1 | 1 | 1 |
| Smoke detector | | | 1 | 0 | 0 | 1 |
| Gas detector | | | 1 | 0 | 0 | 1 |
| Emergency button | | | 0 | 0 | 1 | 0 |
| Remark: "1"-----request High level "0"-----request Low level "2"-----NO connect "NC"-----NO request | | | | | | |

Now please take care of the remark:

Remark: "1"-----request High level
 "0"-----request Low level
 "2"-----NO connect
 "NC"-----NO request

It means N contact with H
It means N contact with L
It means N contact with nothing
It means the mainframe doesn't have that

part

Step 4: match the Smoke detector with G10E alarm host (Mainframe)

If the wireless address code of the G10E Alarm host is 22111000(A7~A0).It means that :

- A0 → 0 (N contact with H)
- A1 → 0 (N contact with L)
- A2 → 0 (N contact with H)
- A3 → 1 (Needn't any contact)
- A4 → 1 (N contact with L)
- A5 → 1 (N contact with H)
- A6 → 2 (Needn't any contact)
- A7 → 2 (N contact with L)

At the same time , refer to the "Wireless detector and Remote controller encode" of the G10E,

then we can know the data code of Smoke detector is 1001(D0~D3).

- D0 → 1 (N contact with H)
- D1 → 0 (N contact with L)
- D2 → 0 (N contact with L)
- D3 → 1 (N contact with H)

Magnetic Wireless Door Dector



The subminiature is designed, it is convenient to install, the power consumption is extremely small, someone pushes away on the door i.e. autoalarm, used in the defending invading to call the police of the doors and windows, it is that one kind is good and inexpensive, economical and practical theft-proof apparatus fittings.

This product is installed simply, only need to paste main part, duplicate on the door and door frame respectively, whether or on two windows, and aline (leave interval of about 5-10 millimetres) . Once someone pushes away and prizes the doors and windows, make main part, duplicate separated, the warning host computer can send out the strong alarm sound, frighten the robber away, remind the master. Can be suitable for the guarding against theft of resident's house, office, table of the shop,etc. by the control while turning on or off the doors and windows by oneself.

Working voltage: DC9V 500mA

Static electric current: 5uA (can await the opportune moment in 1)

Launch the electric current: 15mA (can be launched for 10,000 times continuously)

Launch frequency: 315M launches 500 spaciouly distances

Can form a complete set and use with various wireless alarms

Ion type wireless smoke sense detector



The products adopt ripe ion sensing technology, with digital chip of high-quality, it can manually function that tests, resets automatically, network and output LED instruction, the warning whole structure is ultrathin and close, dustproof, protection against insects, resist white light interfere with, design, add rotatory base, install the environment while being numerous while being suitable while being convenient very.

The products parameter:

Working power: 9V alkaline pile of batteries or carbon batteriees

The electric current of job: Static electric current <10M A, the warning electric current is in 10- 50mA

Battery life-span: Not smaller than one year

External dimension: 107*35mm

Monitor the area: 20 square meters

Working temperature: -10 - +50

Smoke sensitivity: Accord with the standard of the 217th of UL

Call the police and export: Alert sound and wireless alarm signal are transmitted

Gas interface temperature: 10%-90%

Launch the distance wirelessly: Not smaller than 20 meters

Buzzer volume energy: 10 feet are in 85 decibels

How to install:

Choose a installation area suitable, row two pieces of hole location on the ceiling or on the

wall according to the hole which installs the support, get into two holes in the middle of two pieces of hole location, and fill in two holes in two plastic waists and nail, stick to wall closely the north to install support, fill in and urgent Gu'an install the screw until it is completely firm to install the support.

Infrared detector of wide angle of wireless intelligence



Used for surveying and warning the illegal human signal in the area stereoscopically effectively. While installing, nail and fix the base on wall with the screw, open the switch, the detector can work normally at this moment. This detector generally all have a intellectual memory function, enters the defence area to touch off and call the police, while highly recommending 2-3 meters in installation;

1. Technical indicator

Survey the range: Angle present taper trip for 110, survey 8-12 of distance (ambient temperature is 20)

Working environment: Temperature - 20 -55 , the humidity is smaller than 95%

The working time of battery: More than 5000 hours continuously

Battery type: 9V

Start the machine and delay time for time: Smaller than 120 seconds

The time of reaction: Smaller than 0.7 seconds

Working way: Continuously

Weight: 102g

Size: 115mm* 65mm* 48mm

Operating frequency: 433MHZ frequency: It is adjusted that 1.5/2.2/4.7 let

2. The phenomenon explains

*The ambient temperature is higher than at 32 , the detector is slightly low in sensitivity.

*The human body is vertical when the detector moves, the detector sensitivity will be lower than the movement of the human level.



Wireless GAS Dectetor